



Change History Log:

July 31, 2002

In Response Reply to: 02EDU0635

Department of Education
Student Financial Assistance

Subject: Contract # ED-99-DO-0002

Task Order # 80 Enterprise Application Integration (EAI) Core Architecture Release 3.0

Deliverable 80.1.4a EAI Release 3.0 Enablement Guide (Preliminary)

Deliverable 80.1.4a EAI Release 3.0 Enablement Guide: Significant Concerns					
Suggested Changes/Comments	Page	Author	Date	Change Made Y/N	Comment
<p>Change: Suggest providing a road map between document contents and the 3 bulleted objectives. This would aid users in quickly finding needed information without having to read the whole document.</p> <p>Concern: This document contains a great deal of information, but it is very difficult to quickly find the specific information indicated in the separate Executive Summary document:</p> <ul style="list-style-type: none"> Defines the procedures to enable SFA business applications to connect to the EAI Core Architecture. Documents the steps to design and build interfaces between SFA business applications and legacy systems. Identifies the procedures to identify the business rules for the interface between SFA business applications and legacy systems. <p><i>In particular, it is not obvious which sections provide the types of information identified in the 3 bullets above.</i></p>	Page 8, section 1.3	IV&V	7/8/02	N	This concern will be addressed in the final release of the Enablement Guide delivered on 9/27/02.
<p>Change: Suggest expanding Glossary to also include terms and abbreviations found in this document.</p> <p>Concern: Bullet "Section 11 – Appendix B: Glossary This section provides a glossary of MQSeries related terms and</p>	Page 9, section 1.3, 11 th bullet	IV&V	7/8/02	Y	A search of all acronyms in the document was compiled. The glossary was then expanded to include the terms and abbreviations found in this document.

abbreviations”.					
<p>There are many terms and abbreviations in this document that are not contained in the Appendix B Glossary. Some abbreviations are defined in the text, but others are not (e.g., DMZ, ACS, mqm, MRM, BLOB, UTCL, RRS, TSYS).</p>					
<p>Change: Clarify statement as well as the relationship between different versions of the EAI Application Enablement Guide.</p> <p>The nature of changes in naming conventions from previous guidance should be explained, so users do not mistakenly follow out-of-date guidance. In particular, many, but not all, naming conventions contained in the document 54.1.4 have been changed in 80.1.4.a.</p> <p>Concern: Statement “FSA has not previously utilized MQSeries as part of its existing middleware infrastructure therefore no standards currently exist. This section will provide guidance on naming conventions for using MQSeries in the FSA EAI architecture”.</p> <p>The above statement is confusing because the document 54.1.4 EAI Application Enablement Guide, Release 1, dated July 13, 2001 contains extensive discussion about naming guidelines.</p>	Page 11, section 2, 1 st sentence	IV&V	7/8/02	Y	Clarified statement to read: “Prior to Modernization Partner’s EAI implementation, FSA had not previously utilized MQSeries as part of its existing middleware infrastructure. During Release 1.0 of this implementation standards were implemented and documented in the Release 1.0 version of the Enablement Guide. With each subsequent EAI Release, the Enablement Guide has been updated. This section provides guidance on naming conventions for using MQSeries in the FSA EAI architecture. These guidelines are meant to provide guidance in defining and implementing MQSeries objects.”
<p>Change: Clarify where “following objects” are located.</p> <p>Concern: Statement “When defining a cluster, the following objects are included in the set of default objects defined when creating a queue manager on V5.X of Sun Solaris and Windows NT, and in the customization samples for MQSeries for OS/390”.</p> <p>No objects immediately follow this statement.</p> <p>Note: this same statement occurs in the Release 1 version of this document.</p>	Page 26, section 2.5.3, 2 nd paragraph	IV&V	7/8/02	Y	Added objects.
<p>Change: Indicate SU35E16 and SU35E17 on diagram</p> <p>Concern:</p>	Page 29 & 30, section 2.7.1, diagram	IV&V	7/8/02	Y	Indicated SU35E16 and SU35E17 on diagram.



<p>Statement " The FSA EAI cluster consists of 2 Sun Solaris Servers named SU35E16 and SU35E17. The Sun Servers are the repository queue managers for the cluster".</p> <p>The diagram of the EAI BUS Architecture Overview (Development/Test) shows only one MQSeries Server for the EAI Bus Server Cluster. (Compare with the diagram for EAI BUS Architecture Overview (Production) on page 39 that shows 2 servers for EAI BUS Servers Clusters).</p> <p>If there are 2 servers, the diagram should show both servers.</p>					
<p>Change: Clarify the use of application approach "NW" in Table.</p> <p>Concern: Text defines NL as Network Level. There is no NL listed in the Table, NW is listed.</p> <p>Should NW be NL? This Table is the only place where NW is found in document.</p>	Page 35, section 2.9.1 & table	IV&V	7/8/02	Y	Clarified the use of application approach "NW" in Table.
<p>Change: Elaborate on statement that there are several communication methods by identifying them and/or indicating where they are described.</p> <p>Concern: Statement "Several methods exist to enable communication between a WebSphere hosted application and the EAI bus".</p> <p>The above statement may leave a reader wondering what the several methods are and where they are discussed in detail.</p> <p>Note: The above statement also occurs in the Release 1 version of this document.</p>	Page 36, section 2.10, last sentence	IV&V	7/8/02	Y	Elaborated on statement that there are several communication methods by identifying them and/or indicating where they are described.
<p>Change: Add material for section 5.9.4 Assigning and Deploying Resources to Brokers.</p> <p>Concern: Section heading is presented but no text is provided for section.</p>	Page 80, section 5.9.4	IV&V	7/8/02	Y	This material is covered in the referenced document described in section 5.9.4.
<p>Change: Clarify differences, if any, between the term "Data Integrator" and "DataIntegrator". If they are the same, use the same terminology throughout the document.</p>	Page 86, section 7.1	IV&V	7/8/02	Y	Data Integrator terminology is now consistent throughout the document.



Concern: Much of the document uses the term “Data Integrator”; however, section 7 uses the term “DataIntegrator”					
---	--	--	--	--	--

Deliverable 80.1.4a EAI Release 3.0 Enablement Guide— Minor Concerns					
Suggested Changes/Comments	Page	Author	Date	Change Made Y/N	Comment
<p>Suggested Change: Clarify statement with respect to release (i.e., release 3) features.</p> <p>Concern: Statement “This deliverable defines the guidelines for enabling FSA application developers to design and implement applications utilizing the features of the EAI Core architecture, as defined for the initial release”.</p> <p><i>The meaning of “as defined for the initial release” is confusing since this document is for Release 3.</i></p>	Page 8, section 1.1, 1 st paragraph, last sentence	IV&V	7/8/02	Y	<p>The phrase referring to the initial release <i>“as defined for the initial release”</i> was removed. Clarification was added that, “This includes work done in Release 1.0, 2.0, and 3.0 of EAI.</p>
<p>Suggested Change: The initially identified contents of Section 7 and its actual contents are different.</p> <p>There is a need for a section that provides “guidance on integrating FSA Applications to utilize the EAI Core Architecture”.</p> <p>Concern: Bullet “Section 7 – Application Integration This section will provide guidance on integrating FSA Applications to utilize the EAI Core Architecture”.</p> <p>Section 7 is actually entitled “Examples”. “This section contains representation examples of interfaces using each of the EAI middleware products”.</p>	Page 9, section 1.3, 7 th bullet	IV&V	7/8/02	Y	<p>The Application Integration section provides integration guidance through illustrative examples. All integration scenarios will use one of the three products in section 7. Application team developers will be able to use one of the examples to understand how to use the products.</p> <p>The heading on page 9 and the heading of section 7 now correspond and read as “Application Integration Examples.”</p>
<p>Change: Delete second occurrence of the same bullet.</p> <p>Concern: Bullet “Remote queue names can be up</p>	Page 15, section 2.1.4, 1 st and 2 nd bullets	IV&V	7/8/02	Y	Deleted second occurrence of the same bullet.

to 48 characters long. They should be short, but long enough to be meaningful".					
Same bullet appears twice.					
<p>Change: Change "manger" to "manager".</p> <p>Concern: Wording "There should be only one dead letter queue defined on each queue manger".</p> <p>Note: The same spelling error also occurs in the Release 1 version of this document.</p>	Page 22, section 2.3.2, 6 th paragraph, 2 nd sentence	IV&V	7/8/02	Y	Change "manger" to "manager".
<p>Change: Correct statement to match actual material presented.</p> <p>Concern: Statement "The hardware architecture implemented at FSA can be seen in the diagram below".</p> <p>There is no diagram showing hardware.</p> <p>Note: This same statement also occurs in the Release 1 version of this document.</p>	Page 23, section 2.5.1, 2 nd paragraph, 1 st sentence	IV&V	7/8/02	Y	Removed statement "The hardware architecture implemented at FSA can be seen in the diagram below" so that the information would match the actual material presented.
<p>Change: Change "ore" to "or".</p> <p>Concern: Wording "... sends messages to any two ore more repositories".</p> <p>Note: The same spelling error also occurs in the Release 1 version of this document.</p>	Page 24, section 2.5.2, 1 st paragraph, 3 rd sentence	IV&V	7/8/02	Y	Changed "ore" to "or".
<p>Change: Change "of as to".</p> <p>Concern: Wording "The third node is the short description of as to the functions of the node".</p> <p>It appears that "of as to" should be "for".</p>	Page 45, section 4.1.7.1, 3 rd node	IV&V	7/8/02	Y	Change "of as to" to "for".
<p>Change: Check document paging.</p> <p>Concern: There is an extra blank page prior to section 5.</p>	Page 54	IV&V	7/8/02	Y	Checked document paging and did not find an extra page before section five in either printed or electronic version of document.
<p>Change: Change "as well message delivery" to "as well as message delivery".</p> <p>Concern:</p>	Page 63, section 5.4, 1 st sentence	IV&V	7/8/02	Y	Changed "as well message delivery" to "as well as message delivery". Wording changed to



<p>Wording "... including new interfaces for message content as well message delivery".</p> <p>Missing "as".</p> <p>Note: The same statement also occurs in the Release 1 version of this document.</p>					<p>read "... including new interfaces for message content as well as message delivery".</p>
<p>Change: Clarify unique numbering for figures.</p> <p>Concern: The figure on this page is labeled as Figure 1, but there are several figures presented before this figure.</p> <p>Note: The same statement also occurs in the Release 1 version of this document.</p>	<p>Page 64, Figure 1</p>	<p>IV&V</p>	<p>7/8/02</p>	<p>Y</p>	<p>Figures are labeled consistently.</p>
<p>Change: Change "6.1" to "8.1".</p> <p>Concern: Wording "Note: Refer to Section 6.1..."</p> <p>Correct section is 8.1 for this document.</p>	<p>Page 67, section 5.5.4, 2nd paragraph</p>	<p>IV&V</p>	<p>7/8/02</p>	<p>Y</p>	<p>Changed "6.1" to "8.1".</p>
<p>Change: Change "datastructures" to "data structures".</p> <p>Concern: Wording "... of legacy datastructures created in the C ..."</p>	<p>Page 74, section 5.9.1.4, under 1st bullet</p>	<p>IV&V</p>	<p>7/8/02</p>	<p>Y</p>	<p>Changed "datastructures" to "data structures".</p>
<p>Change: Ensure that capitalization is used for names and not for emphasis.</p> <p>Ensure that capitalization is correctly used throughout document.</p> <p>Concern: Inappropriate initial capitals appear to be used for:</p> <ul style="list-style-type: none"> • Statements in SQL Statements • Database in FMS Database • Interface in COD-FMS Interface 	<p>Page 87, section 7.2, table and elsewhere as appropriate</p>	<p>IV&V</p>	<p>7/8/02</p>	<p>Y</p>	<p>Made requested capitalization changes.</p>
<p>Change: Change "Use" to "use".</p> <p>Ensure that capitalization is correctly used throughout document.</p> <p>Concern: Wording "CICS Use commands ..." "IMS Use the IMS ..." "RRS Use MQCMIT ..."</p> <p>The word "use" should not be capitalized in the 3 sentences above.</p> <p>Note: The same errors also occur in the Release 1 version of this document.</p>	<p>Page 100, section 9.4</p>	<p>IV&V</p>	<p>7/8/02</p>	<p>Y</p>	<p>Changed "Use" to "use".</p> <p>Ensured that capitalization is correctly used throughout document.</p>



<p>Change: Change “used isolate” to “used to isolate”.</p> <p>Concern: Wording “... an adapter is used isolate ...”</p> <p>The word “to” is missing between “used” and “isolate”.</p> <p>Note: The same error also occurs in the Release 1 version of this document.</p>	<p>Page 104, section 11, adapter definition</p>	<p>IV&V</p>	<p>7/8/02</p>	<p>Y</p>	<p>Changed “used isolate” to “used to isolate”.</p>
<p>Change: Change to “Used by insurance companies to build Business/integration systems”.</p> <p>Concern: Wording “Used by insurance companies to build eBusiness/integration systems upon”.</p> <p>Wording “upon” is unnecessary.</p> <p>Note: The same error also occurs in the Release 1 version of this document.</p>	<p>Page 107, section 11, IAFEB definition</p>	<p>IV&V</p>	<p>7/8/02</p>	<p>Y</p>	<p>Changed to “Used by insurance companies to build Business/integration systems”.</p>
<p>Change: Remove extra period from end of sentence.</p> <p>Concern: Extra period is at end of last sentence.</p> <p>Note: The same error also occurs in the Release 1 version of this document.</p>	<p>Page 108, section 11, installable services definition</p>	<p>IV&V</p>	<p>7/8/02</p>	<p>Y</p>	<p>No extra period was found to remove.</p>
<p>Change: Correct grammar errors.</p> <p>Concern: In addition to the errors listed above there are other minor errors.</p>	<p>Various.</p>	<p>IV&V</p>	<p>7/8/02</p>	<p>Y</p>	<p>Errors corrected.</p>